

AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1. (Currently amended) A system for transferring [[of]] an energizing signal to an in-vivo device, said system comprising:
an in-vivo sensing device, the in-vivo device comprising a signal transmitter configured to transmit a first signal, an energy storage unit, and a signal receiving unit for receiving a second signal for being stored in the energy storage unit; and
an external phased array antenna, the phased array antenna comprising two or more antennas for receiving the first signal in a reception order according to reception time(s),
wherein the two or more antennas are configured to transmit the second signal in a reversed order of the reception order of the first signal, such that the time difference between transmission of the second signal through a first antenna of the two or more antennas and transmission of the second signal through a second antenna of the two or more antennas equals to the time difference between the reception times of the first signal at the first antenna and the second antenna.
2. (Cancelled)
3. (Original) The system according to claim 1 wherein the phased array antenna is configured for surrounding a portion of a body.
4. (Cancelled)
5. (Cancelled)
6. (Original) The system according to claim 1 wherein the sensing device includes an image sensor.
7. (Cancelled)
8. (Cancelled)
9. (Previously presented) The system according to claim 1 wherein the sensing device comprises a capacitor or a rechargeable battery.

APPLICANT(S): IDDAN, Gavriel J.

SERIAL NO.: 10/531,378

FILED: February 23, 2006

Page 3

10. (Previously presented) The system according to claim 1 wherein the sensing device comprises at least one antenna.
11. (Cancelled)
12. (Cancelled)
13. (Original) The system according to claim 1 wherein the phased array antenna is configured to transmit a signal having an active portion and a silent interval.
14. (Previously presented) The system according to claim 13 wherein the silent interval lasts for a period in the order of magnitude of 1 msec.
15. (Previously presented) The system according to claim 13 wherein the active portion includes RF bursts.
16. (Previously presented) The system according to claim 13 wherein the active portion includes bursts of about 1 milijoule.
17. (Previously presented) The system according to claim 13 wherein the active portion includes bursts at a frequency of about 1 GigaHertz.
18. (Original) The system according to claim 1 wherein the phased array antenna is configured to transmit a modulated signal.
19. (Cancelled)
20. (Cancelled)
21. (Cancelled)
22. (Cancelled)
23. (Currently Amended) A method for transferring [[of]] an energizing signal to an in vivo sensing device, the method comprising the steps of:
receiving a first signal transmitted from said in vivo sensing device by a phased array antenna comprising two or more antennas;
recording an order of receipt a reception order according to reception time of said first signal through the phased array antenna; and
transmitting, by said phased array antenna, a second signal to said in vivo sensing device using the in a reverse order of receipt of the transmitted signal from the said in vivo sensing device, such that the time difference between transmission of the second signal through a first antenna of the two of more antennas and transmission of the second signal through a second antenna of the two of more

APPLICANT(S): IDDAN, Gavriel J.
SERIAL NO.: 10/531,378
FILED: February 23, 2006
Page 4

antennas equals to the time difference between the reception times of the first signal at the first antenna and the second antenna.

24. (Original) The method according to claim 23 wherein the order of receipt is a time array.
25. (Original) The method according to claim 23 comprising the steps of energizing at least one component of said in vivo sensing device.
26. (Original) The method according to claim 23 comprising the steps of:
transmitting a signal from the in vivo sensing device;
switching from transmit to receive mode;
receiving a signal which includes at least one active portion and at least one silent interval; and
switching from receive mode to transfer mode at an end of the active portion of the signal.
27. (Cancelled)
28. (Cancelled)
29. (Cancelled)
30. (Cancelled)
31. (Cancelled)
32. (Cancelled)
33. (New) The system according to claim 1, wherein the signal transmitter comprises an RF ID tag.
34. (New) The system according to claim 33, wherein the RF ID tag is adapted to transmit said first signal.
35. (New) The system according to claim 10, wherein at least one of said at least two antennas is an omni-directional antenna.